

JG07 Rec'd PCT/PTO 1 1 DEC 2001/ 10/01UU00 PCT/US00/16644

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
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YUE, Henry
LAL, Preeti
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REDDY, Roopa
BAUGHN, Mariah R.
AZIMZAI, Yalda

<120> RNA METABOLISM PROTEINS

<130> PF-0712 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/139,922

<151> 1999-06-17

<160> 26

<170> PERL Program

<210> 1 <211> 503 <212> PRT <213> Homo sapiens <220>

<221> misc_feature

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Lys Lys Thr Phe Tyr Tyr Leu Glu Gln Leu Ile Leu Lys Tyr Gly
                170
                                     175
Met His Gln Asn Thr Leu Arg Ile Lys Glu Ile His Asp Gly Leu
                185
                                     190
                                                          195
Asp Phe Tyr Tyr Ser Ser Lys Gln His Ala Gln Lys Met Val Glu
                200
                                     205
Phe Leu Gln Cys Thr Val Pro Cys Arg Tyr Lys Ala Ser Gln Arg
                215
                                     220
Leu Ile Ser Gln Asp Ile His Ser Asn Thr Tyr Asn Tyr Lys Ser
                230
                                     235
Thr Phe Ser Val Glu Ile Val Pro Ile Cys Lys Asp Asn Val Val
                245
                                     250
Cys Leu Ser Pro Lys Leu Ala Gln Ser Leu Gly Asn Met Asn Gln
                260
                                     265
                                                          270
Ile Cys Val Cys Ile Arg Val Thr Ser Ala Ile His Leu Ile Asp
                275
                                     280
                                                          285
Pro Asn Thr Leu Gln Val Ala Asp Ile Asp Gly Ser Thr Phe Trp
                290
                                     295
Ser His Pro Phe Asn Ser Leu Cys His Pro Lys Gln Leu Glu Glu
                305
                                     310
                                                          315
Phe Ile Val Met Glu Cys Ser Ile Val Gln Asp Ile Lys Arg Ala
                320
                                     325
Ala Gly Ala Gly Met Ile Ser Lys Lys His Thr Leu Gly Glu Val
                335
                                     340
Trp Val Gln Lys Thr Ser Glu Met Asn Thr Asp Lys Gln Tyr Phe
                350
                                     355
Cys Arg Thr His Leu Gly His Leu Leu Asn Pro Gly Asp Leu Val
                365
                                     370
                                                          375
Leu Gly Phe Asp Leu Ala Asn Cys Asn Leu Asn Asp Glu His Val
                380
                                     385
                                                          390
Asn Lys Met Asn Ser Asp Arg Val Pro Asp Val Val Leu Ile Lys
                395
                                     400
                                                          405
Lys Ser Tyr Asp Arg Thr Lys Arg Gln Arg Arg Arg Asn Trp Lys
                410
                                     415
                                                          420
Leu Lys Glu Leu Ala Arg Glu Arg Glu Asn Met Asp Thr Asp Asp
                425
                                     430
                                                          435
Glu Arg Gln Tyr Gln Asp Phe Leu Glu Asp Leu Glu Glu Asp Glu
                                     445
                                                          450
Ala Ile Arg Lys Asn Val Asn Ile Tyr Arg Asp Ser Ala Ile Pro
                455
                                     460
Val Glu Ser Asp Thr Asp Asp Glu Gly Ala Pro Arg Ile Ser Leu
                470
                                     475
Ala Glu Met Leu Glu Asp Leu His Ile Ser Gln Asp Ala Thr Gly
                485
                                     490
                                                          495
Glu Glu Gly Ala Ser Met Leu Thr
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<211> 594

<212> PRT

<213> Homo sapiens

<220>

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<223> Incyte Clone No: 618791

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Gly	Thr	Gly	Gly	Asp 20	Glu	Glu	Glu	Glu		Leu	Tyr	Gly	r Gly	Pro 30
Trp	Asp	Val	His	Val 35	His	Ser	Asp	Leu		Lys	Asp	Leu	ı Asp	Glu 45
				50					Asn 55	Ala				Pro 60
				65					70					Lys 75
				80					85					Asp
				95				Thr	100				_	Thr
				110					115					Leu 120
				125					130					Lys 135
				140				Pro	145					Val
				155					160					Trp 165
				170					175					Phe 180
				185				Cys	190					195
				200		Ile			205				Asn	210
				215				Glu	220					225
				230				Phe	235					240
				245				Ala	250					255
				260				Phe	265					270
				275				Ser	280					285
				290				Lys -	295					300
				305				Arg	310					315
				320				Ser	325					330
				335				Gln	340					345
				350				Ser	355					360
				365				Leu	370					375
				380				Ala	385					390
				395				Ala	400					405
				410				Ser Val	415					420
				425				Leu	430					435
				440				Lys	445					450
F -		-1-	-1-		9	ar y	GIU	-ys	Asp	wrg	ASP	Arg	GIU	Arg

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455
                                    460
Asp Arg Asp Arg Glu Arg Asp Arg Asp Arg Glu Arg Glu
                470
                                    475
                                                         480
Arg Thr Arg Glu Arg Glu Arg Glu Arg Asp His Ser Pro Thr Pro
                485
                                    490
                                                         495
Ser Val Phe Asn Ser Asp Glu Glu Arg Tyr Arg Tyr Arg Glu Tyr
                500
                                    505
Ala Glu Arg Gly Tyr Glu Arg His Arg Ala Ser Arg Glu Lys Glu
                515
                                    520
                                                         525
Glu Arg His Arg Glu Arg Arg His Arg Glu Lys Glu Glu Thr Arg
                530
                                    535
His Lys Ser Ser Arg Ser Asn Ser Arg Arg Arg His Glu Ser Glu
                545
                                    550
                                                         555
Glu Gly Asp Ser His Arg Arg His Lys His Lys Lys Ser Lys Arg
                560
                                    565
Ser Lys Glu Gly Lys Glu Ala Gly Ser Glu Pro Ala Pro Glu Gln
                575
                                    580
                                                         585
Glu Ser Thr Glu Ala Thr Pro Ala Glu
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<223> Incyte Clone No: 1240366

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200
                                     205
Glu Pro Thr Lys Pro Gly Asp Pro Arg Glu Ala Arg Arg Lys Glu
                215
                                     220
                                                         225
Arg Pro Ala Arg Thr Pro Pro Arg Arg Arg Thr Leu Ser Gly Ser
                230
                                     235
                                                         240
Gly Ser Gly Ser Gly Ser Ser Tyr Ser Gly Ser Ser Ser Arg Ser
                245
                                     250
                                                         255
Arg Ser Leu Ser Val Ser Ser Val Ser Ser Val Ser Ser Ala Thr
                260
                                     265
                                                         270
Ser Ser Ser Ser Ala His Ser Val Asp Ser Glu Asp Met Tyr
                275
                                     280
                                                         285
Ala Asp Leu Ala Ser Pro Val Ser Ser Ala Ser Ser Arg Ser Pro
                290
                                     295
                                                         300
Ala Pro Ala Gin Thr Arg Lys Glu Lys Gly Lys Ser Lys Lys Glu
                305
                                     310
                                                         315
Asp Gly Val Lys Glu Glu Lys Arg Lys Arg Asp Ser Ser Thr Gln
                320
                                     325
                                                         330
Pro Pro Lys Ser Ala Lys Pro Pro Ala Gly Gly Lys Ser Ser Gln
                335
                                     340
Gln Pro Ser Thr Pro Gln Gln Ala Pro Pro Gly Gln Pro Gln Gln
                350
                                     355
                                                         360
Gly Thr Phe Val Ala His Lys Glu Ile Lys Leu Thr Leu Leu Asn
                365
                                     370
                                                         375
Lys Ala Ala Asp Lys Gly Ser Arg Lys Arg Tyr Glu Pro Ser Asp
                380
                                     385
                                                         390
Lys Asp Arg Gln Ser Pro Pro Pro Ala Lys Arg Pro Asn Thr Ser
                395
                                     400
Pro Asp Arg Gly Ser Arg Asp Arg
                410
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<213> Homo sapiens
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Met His Val Gln Leu Ser Thr Ser Arg Leu Arg Thr Ala Pro Gly
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Met Gly Asp Gln Ser Gly Cys Tyr Arg Cys Gly Lys Glu Gly His
                 20
Trp Ser Lys Glu Cys Pro Val Asp Arg Thr Gly Arg Val Ala Asp
                 35
                                      40
Phe Thr Glu Gln Tyr Asn Glu Gln Tyr Gly Ala Val Arg Thr Pro
                 50
                                      55
                                                          60
Tyr Thr Met Gly Tyr Gly Glu Ser Met Tyr Tyr Asn Asp Ala Tyr
                 65
                                      70
Gly Ala Leu Asp Tyr Tyr Lys Arg Tyr Arg Val Arg Ser Tyr Glu
                 80
                                      85
Ala Val Ala Ala Ala Ala Ala Ser Ala Tyr Asn Tyr Ala Glu
                 95
                                     100
Gln Thr Met Ser His Leu Pro Gln Val Gln Ser Thr Thr Val Thr
                110
                                     115
                                                         120
Ser His Leu Asn Ser Thr Ser Val Asp Pro Tyr Asp Arg His Leu
                125
                                     130
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<210> 4

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Leu Pro Asn Ser Gly Ala Ala Ala Thr Ser Ala Ala Met Ala Ala
                140
Ala Ala Ala Thr Thr Ser Ser Tyr Tyr Gly Arg Asp Arg Ser Pro
                155
                                    160
Leu Arg Arg Ala Ala Met Leu Pro Thr Val Gly Glu Gly Tyr
                170
                                    175
Gly Tyr Gly Pro Glu Ser Glu Leu Ser Gln Ala Ser Ala Ala Thr
                185
                                    190
Arg Asn Ser Leu Tyr Asp Met Ala Arg Tyr Glu Arg Glu Gln Tyr
                200
                                    205
Val Asp Arg Ala Arg Tyr Ser Ala Phe
                215
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<211> 641
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<213> Homo sapiens
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Met Gly Arg Arg Ser Thr Ser Ser Thr Lys Ser Gly Lys Phe Met
Asn Pro Thr Asp Gln Ala Arg Lys Glu Ala Arg Lys Arg Glu Leu
                 20
                                      25
Lys Lys Asn Lys Lys Gln Arg Met Met Val Arg Ala Ala Val Leu
                 35
                                      40
Lys Met Lys Asp Pro Lys Gln Ile Ile Arg Asp Met Glu Lys Leu
                                      55
Asp Glu Met Glu Phe Asn Pro Val Gln Gln Pro Gln Leu Asn Glu
                 65
                                                          75
Lys Val Leu Lys Asp Lys Arg Lys Lys Leu Arg Glu Thr Phe Glu
                 80
                                      85
Arg Ile Leu Arg Leu Tyr Glu Lys Glu Asn Pro Asp Ile Tyr Lys
                 95
                                     100
Glu Leu Arg Lys Leu Glu Val Glu Tyr Glu Gln Lys Arg Ala Gln
                110
                                     115
Leu Ser Gln Tyr Phe Asp Ala Val Lys Asn Ala Gln His Val Glu
                125
                                     130
                                                         135
Val Glu Ser Ile Pro Leu Pro Asp Met Pro His Ala Pro Ser Asn
                140
                                     145
Ile Leu Ile Gln Asp Ile Pro Leu Pro Gly Ala Gln Pro Pro Ser
                155
                                     160
                                                         165
Ile Leu Lys Lys Thr Ser Ala Tyr Gly Pro Pro Thr Arg Ala Val
                170
                                     175
Ser Ile Leu Pro Leu Leu Gly His Gly Val Pro Arg Leu Pro Pro
                185
                                     190
                                                         195
Gly Arg Lys Pro Pro Gly Pro Pro Pro Gly Pro Pro Pro Gln
                200
                                     205
                                                         210
Val Val Gln Met Tyr Gly Arg Lys Val Gly Phe Ala Leu Asp Leu
                215
                                    220
Pro Pro Arg Arg Arg Asp Glu Asp Met Leu Tyr Ser Pro Glu Leu
                230
                                    235
Ala Gln Arg Gly His Asp Asp Val Ser Ser Thr Ser Glu Asp
                245
                                    250
Asp Gly Tyr Pro Glu Asp Met Asp Gln Asp Lys His Asp Asp Ser
```

Thr	Asp	Asp	Ser	260 Asp	Thr	Δen	Tage	Sor	265	C111	C1.,	C0=	7	270
				275					280					285
			Val	290					295					300
			Ser	305					310					315
			Lys	320					325					330
			Met	335					340					Glu 345
			Val	350					355					Asp 360
Ser	Asp	Asp	Ser	Glu 365	Ala	Glu	Lys	Gln	Ser 370	Gln	Lys	Gln	His	Lys 375
Glu	Glu	Ser	His	Ser 380	Asp	Gly	Thr	Ser	Thr 385	Ala	Ser	Ser	Gln	Gln 390
Gln	Ala	Pro	Pro	Gln 395	Ser	Val	Pro	Pro	Ser 400	Gln	Ile	Gln	Ala	Pro
Pro	Met	Pro	Gly	Pro 410	Pro	Pro	Leu	Gly	Pro	Pro	Pro	Ala	Pro	Pro 420
Leu	Arg	Pro	Pro	Gly 425	Pro	Pro	Thr	Gly	Leu 430	Pro	Pro	Gly	Pro	Pro 435
Pro	Gly	Ala	Pro	Pro 440	Phe	Leu	Arg	Pro	Pro 445	Gly	Met	Pro	Gly	Leu 450
			Leu	455					460					Gly 465
			Gly	470					475					Pro 480
			Pro	485					490					Ala 495
			Ile	500					505					Pro 510
			Pro	515					520					Pro 525
			Pro	530					535					540
			Pro	545					550					555
			Thr	560					565					570
			Glu	575					580					585
			Asn	590					595					Ser 600
			Ser	605					610					Ser 615
			Val	620					625		Asp	Asp	Val	Tyr 630
Glu	Ala	Phe	Met	Lys 635	Glu	Met	Glu	Gly	Leu 640	Leu				•

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Ser Thr Tyr Pro Met Gln Cys Ser Ala Leu Arg Lys Asn Gly Phe
                  20
                                       25
Val Val Leu Lys Gly Arg Pro Cys Lys Ile Val Glu Met Ser Thr
                  35
                                       40
                                                           45
Ser Lys Thr Gly Lys His Gly His Ala Lys Val His Leu Val Gly
                  50
                                       55
                                                           60
Ile Asp Ile Phe Thr Gly Lys Lys Tyr Glu Asp Ile Cys Pro Ser
                  65
                                      70
                                                           75
Thr His Asn Met Asp Val Pro Asn Ile Lys Arg Asn Asp Tyr Gln
                  80
                                      85
                                                           90
Leu Ile Cys Ile Gln Asp Gly Tyr Leu Ser Leu Leu Thr Glu Thr
                  95
                                     100
                                                          105
Gly Glu Val Arg Glu Asp Leu Lys Leu Pro Glu Gly Glu Leu Gly
                 110
                                     115
Lys Glu Ile Glu Gly Lys Tyr Asn Ala Gly Glu Asp Val Gln Val
                 125
                                     130
                                                          135
Ser Val Met Cys Ala Met Ser Glu Glu Tyr Ala Val Ala Ile Lys
                                     145
Pro Cys Lys
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                                      10
Thr Trp Pro Gln Thr Ala Gly Arg Val Val Ala Arg Thr Pro Ala
                 20
                                      25
                                                           3.0
Gly Thr Ile Cys Thr Gly Ala Arg Gln Leu Gln Asp Ala Ala Ala
                 35
                                      40
Lys Gln Lys Val Glu Gln Asn Ala Ala Pro Ser His Thr Lys Phe
                 50
                                      55
Ser Ile Tyr Pro Pro Ile Pro Gly Glu Glu Ser Ser Leu Arg Trp
                 65
                                      70
Ala Gly Lys Lys Phe Glu Glu Ile Pro Ile Ala His Ile Lys Ala
                 80
                                      85
                                                           90
Ser His Asn Asn Thr Gln Ile Gln Val Val Ser Ala Ser Asn Glu
                 95
                                     100
Pro Leu Ala Phe Ala Ser Cys Gly Thr Glu Gly Phe Arg Asn Ala
                110
                                     115
                                                          120
Lys Lys Gly Thr Gly Ile Ala Ala Gln Thr Ala Gly Ile Ala Ala
```

125

140

130

145

Ala Ala Arg Ala Lys Gln Lys Gly Val Ile His Ile Arg Val Val

Val Lys Gly Leu Gly Pro Gly Arg Leu Ser Ala Met His Gly Leu

135

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155 160 165

Ile Met Gly Gly Leu Glu Val Ile Ser Ile Thr Asp Asn Thr Pro
170 175 180

Ile Pro His Asn Gly Cys Arg Pro Arg Lys Ala Arg Lys Leu
185 190
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Ala Arg Ser Ser Val Pro Val Thr Arg Pro Pro Val Pro Ile Pro
                 20
                                      25
Pro Pro Pro Pro Pro Pro Leu Pro Pro Pro Pro Pro Val Ile
                 35
                                      40
Lys Pro Gln Thr Ser Ala Val Glu Gln Glu Arg Trp Asp Glu Asp
                 50
                                      55
                                                           60
Ser Phe Tyr Gly Leu Trp Asp Thr Asn Asp Glu Gln Gly Leu Asn
                 65
                                      70
Ser Glu Phe Lys Ser Glu Thr Ala Ala Ile Pro Ser Ala Pro Val
                 80
                                      85
Leu Pro Pro Pro Pro Val His Ser Ser Ile Pro Pro Pro Gly Pro
                 95
                                     100 -
Val Pro Met Gly Met Pro Pro Met Ser Lys Pro Pro Pro Val Gln
                110
                                     115
                                                          120
Gln Thr Val Asp Tyr Gly His Gly Arg Asp Ile Ser Thr Asn Lys
                125
                                     130
                                                         135
Val Glu Gln Ile Pro Tyr Gly Glu Arg Ile Thr Leu Arg Pro Asp
                140
                                     145
Pro Leu Pro Glu Arg Ser Thr Phe Glu Thr Glu His Ala Gly Gln
                155
                                     160
Arg Asp Arg Tyr Asp Arg Glu Arg Asp Arg Glu Pro Tyr Phe Asp
                170
                                     175
Arg Gln Ser Asn Val Ile Ala Asp His Arg Asp Phe Lys Arg Asp
                185
                                     190
                                                          195
Arg Glu Thr His Arg Asp Arg Asp Arg Asp Arg Gly Val Ile Asp
                200
                                     205
Tyr Asp Arg Asp Arg Phe Asp Arg Glu Arg Arg Pro Arg Asp Asp
                215
                                     220
                                                         225
Arg Ala Gln Ser Tyr Arg Asp Lys Lys Asp His Ser Ser Ser Arg
                230
                                     235
                                                         240
Arg Gly Gly Phe Asp Arg Pro Ser Tyr Asp Arg Lys Ser Asp Arg
                245
                                     250
                                                          255
Pro Val Tyr Glu Gly Pro Ser Met Phe Gly Gly Glu Arg Arg Thr
                260
                                     265
                                                          270
Tyr Pro Glu Glu Arg Met Pro Leu Pro Ala Pro Ser Leu Ser His
                275
                                     280
Gln Pro Pro Pro Ala Pro Arg Val Glu Lys Lys Pro Glu Ser Lys
                290
                                     295
                                                         300
Asn Val Asp Asp Ile Leu Lys Pro Pro Gly Arg Glu Ser Arg Pro
                305
                                    310
                                                         315
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Glu Arg Ile Val Val Ile Met Arg Gly Leu Pro Gly Ser Gly Lys
                320
                                     325
Thr His Val Ala Lys Leu Ile Arg Asp Lys Glu Val Glu Phe Gly
                335
                                     340
Gly Pro Ala Pro Arg Val Leu Ser Leu Asp Asp Tyr Phe Ile Thr
                350
                                     355
                                                         360
Glu Val Glu Lys Glu Glu Lys Asp Pro Asp Ser Gly Lys Lys Val
                365
                                     370
Lys Lys Lys Val Met Glu Tyr Glu Tyr Glu Ala Glu Met Glu Glu
                380
                                     385
                                                         390
Thr Tyr Arg Thr Ser Met Phe Lys Thr Phe Lys Lys Thr Leu Asp
                395
                                     400
Asp Gly Phe Phe Pro Phe Ile Ile Leu Asp Ala Ile Asn Asp Arg
                410
                                     415
                                                         420
Val Arg His Phe Asp Gln Phe Trp Ser Ala Ala Lys Thr Lys Gly
                425
                                     430
                                                         435
Phe Glu Val Tyr Leu Ala Glu Met Ser Ala Asp Asn Gln Thr Cys
                440
                                     445
Gly Lys Arg Asn Ile His Gly Arg Lys Leu Lys Glu Ile Asn Lys
                455
                                     460
                                                         465
Met Ala Asp His Trp Glu Thr Ala Pro Arg His Met Met Arg Leu
                470
                                     475
Asp Ile Arg Ser Leu Leu Gln Asp Ala Ala Ile Glu Glu Val Glu
                485
                                     490
                                                         495
Met Glu Asp Phe Asp Ala Asn Ile Glu Glu Gln Lys Glu Glu Lys
                500
                                     505
Lys Asp Ala Glu Glu Glu Ser Glu Leu Gly Tyr Ile Pro Lys
                515
                                     520
                                                         525
Ser Lys Trp Glu Met Asp Thr Ser Glu Ala Lys Leu Asp Lys Leu
                530
                                     535
Asp Gly Leu Arg Thr Gly Thr Lys Arg Lys Arg Asp Trp Glu Ala
                                     550
                                                         555
Ile Ala Ser Arg Met Glu Asp Tyr Leu Gln Leu Pro Asp Asp Tyr
                560
                                     565
                                                         570
Asp Thr Arg Ala Ser Glu Pro Gly Lys Lys Arg Val Arg Trp Ala
                575
                                     580
                                                         585
Asp Leu Glu Glu Lys Lys Asp Ala Asp Arg Lys Arg Ala Ile Gly
                590
                                     595
Phe Val Val Gly Gln Thr Asp Trp Glu Lys Ile Thr Asp Glu Ser
                605
                                     610
Gly His Leu Ala Glu Lys Ala Leu Asn Arg Thr Lys Tyr Ile
                620
                                     625
```

				35					40					45
				50					55	Asn				60
				65					70	Lys				75
				80					85	Tyr				90
				95					100	Glu				105
				110					115	Leu				120
				125					130	Glu				135
				140					145	Lys				150
				155					160	Gln				165
				170					175	Pro			_	180
				185					190	Ala				195
				200					205	Glu				210
				215					220	Gln				225
				230					235	His				240
				245					250	Leu				255
				260					265	Val				270
				275					280	Ser				285
				290					295	Asp				300
				305					310	GjĀ				315
				320					325	His				330
				335					340	Gln				345
				350					355	Leu				360
				365					370	Ala				375
				380					385	Arg				390
				395					400	Ala				405
				410					415	Gly				420
				425					430	Glu	Ala	Ile	Ala	Glu 435
Leu	Leu	Asp	Glu	His 440	Leu	Lys	Ser	Ala	Lys 445					

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Arg Ile Pro Ser Pro Leu Gly Tyr Ala Ala Ile Pro Ile Lys Phe
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Ser Glu Lys Gln Gln Ala Ser His Tyr Leu Tyr Val Arg Ala His
                 35
                                      40
Gly Val Arg Gln Gly Thr Lys Ser Thr Trp Pro Gln Lys Arg Thr
                 50
                                      55
Leu Phe Val Leu Asn Val Pro Pro Tyr Cys Thr Glu Glu Ser Leu
                 65
                                      70
Ser Arg Leu Leu Ser Thr Cys Gly Leu Val Gln Ser Ile Glu Leu
                 80
                                      85
                                                          90
Gln Glu Lys Pro Asp Leu Ala Glu Ser Pro Lys Glu Ser Arg Ser
                 95
                                     100
                                                         105
Lys Phe Phe His Pro Lys Pro Val Pro Gly Phe Gln Val Ala Tyr
                110
                                     115
                                                         120
Val Val Phe Gln Lys Pro Ser Gly Val Ser Ala Ala Leu Ala Leu
                125
                                     130
Lys Gly Pro Leu Leu Val Ser Thr Glu Ser His Pro Val Lys Ser
                140
                                     145
Gly Ile His Lys Trp Ile Ser Asp Tyr Ala Asp Ser Val Pro Asp
                155
                                     160
                                                         165
Pro Glu Ala Leu Arg Val Glu Val Asp Thr Phe Met Glu Ala Tyr
                170
                                     175
Asp Gln Lys Ile Ala Glu Glu Glu Ala Lys Ala Lys Glu Glu Glu
                185
                                     190
                                                         195
Gly Val Pro Asp Glu Glu Gly Trp Val Lys Val Thr Arg Arg Gly
                200
                                     205
                                                         210
Arg Arg Pro Val Leu Pro Arg Thr Glu Ala Ala Ser Leu Arg Val
                215
                                     220
                                                         225
Leu Glu Arg Glu Arg Arg Lys Arg Ser Arg Lys Glu Leu Leu Asn
                230
                                     235
                                                         240
Phe Tyr Ala Trp Gln His Arg Glu Ser Lys Met Glu His Leu Ala
                245
                                     250
Gln Leu Arg Lys Lys Phe Glu Glu Asp Lys Gln Arg Ile Glu Leu
                260
                                    265
Leu Arg Ala Gln Arg Lys Phe Arg Pro Tyr
                275
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<223> Incyte Clone No: 4011179
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Met Ala Arg Gly Val Val Ser Ala Lys Gly Gly Ala Val Ala Gly
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<212> PRT

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Lys Lys Lys Gly Ser Val Ser Phe Thr Ile Asp Cys Thr Lys Pro
                 20
                                     25
Val Glu Asp Lys Ile Met Glu Val Ala Ser Leu Glu Lys Phe Leu
                 35
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Gln Glu Arg Ile Lys Val Ala Gly Gly Lys Ala Gly Asn Leu Gly
                 50
                                     55
Asp Ser Val Thr Ile Ser Arg Glu Lys Thr Lys Val Thr Val Thr
                 65
                                     70
                                                          75
Ser Asp Gly Pro Phe Ser Lys Arg Tyr Leu Lys Tyr Leu Thr Lys
                 80
                                     85
                                                          90
Lys Tyr Leu Lys Lys His Asn Val Arg Asp Trp Leu Arg Val Val
                 95
                                    100
Ala Ala Asn Lys Asp Arg Asn Val Tyr Glu Leu Arg Tyr Phe Asn
                110
                                    115
Ile Ala Glu Asn Glu Gly Glu Glu Asp
                125
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